

Abstract of the Disclosure

The invention provides a method and system for a wireless transport layer, such as for use in a wireless communication system. In a preferred embodiment, the wireless transport layer includes the capability for instructing customer premises equipment to adjust the physical characteristics on its communication link with the base station controller, and for instructing customer premises equipment to conduct further communications using those new physical characteristics. The wireless transport layer includes a number of provisions for adjusting communication between the base station controller and customer premises equipment in view of the prospect of adjusting physical characteristics for communication between the two end points. The use of a point-to-multipoint wireless channel provides services over a link whose parameters are continuously adapting to current conditions on a per-user basis.